

Amendments

This listing of claims will replace all prior versions and listings of claims in the above-referenced application. In accordance with 37 C.F.R. 1.121, as revised June 30, 2003, claims are labeled as "Original", "Currently amended", "Canceled", "Withdrawn", "Previously presented", "New", or "Not entered".

Listing of Claims:

1. (Currently amended) A method for promoting healing of a skin wound comprising steps of:

providing isolated tropoelastin [substantially identical to wild type tropoelastin,] wherein the tropoelastin has not previously been cross[-]linked and is therefore available for cross[-]linking, and isolated lysyl oxidase [substantially identical to wild type lysyl oxidase], which components are kept separated from each other; and

applying both said tropoelastin and said lysyl oxidase to a skin wound simultaneously or sequentially, so that said tropoelastin is not cross[-]linked to itself prior to application to the wound.

2. (Original) The method of claim 1 wherein tropoelastin is wild type tropoelastin matched to species of recipient.

- 3-4. Cancelled.

5. (Original) The method of claim 1 wherein tropoelastin comprises a heterogeneous mixture of tropoelastin isoforms.

- 6-8. Cancelled.

9. (Original) The method of claim 1 wherein the method comprises the additional step of: repeatedly applying the tropoelastin and lysyl oxidase to the wound during the healing process.

10. (Original) The method of claim 1 wherein the method comprises the additional step of:

approximating separated tissue of the wound using sutures, staples, adhesive strips, or tissue glue.

11. (Original) The method of claim 1 wherein the step of applying comprises applying the tropoelastin and lysyl oxidase with a sterile syringe.

12. (Previously presented) The method of claim 1 wherein the tropoelastin or lysyl oxidase has been mixed with other materials selected from the group consisting of polymers, emulsifiers, oils, perfumes, proteins, polysaccharides, nucleic acids, microfibrils, antimicrobial agents, adhesive agents, and protease inhibitors.

13. (Currently amended) A kit comprising tropoelastin [substantially identical to wild type tropoelastin,] wherein the tropoelastin has not previously been cross[-]linked and is therefore available for cross[-]linking, and lysyl oxidase [substantially identical to wild type lysyl oxidase] in separate compartments.

14. (Original) The kit of claim 13 wherein the tropoelastin is wild type tropoelastin.

15-16. Cancelled.

17. (Original) The kit of claim 13 wherein the lysyl oxidase is wild type lysyl oxidase.

18-25. Cancelled.

26. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 60% identical to wild type tropoelastin or lysyl oxidase.

27. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 70% identical to wild type tropoelastin or lysyl oxidase.

28. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 80% identical to wild type tropoelastin or lysyl oxidase.
29. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 90% identical to wild type tropoelastin or lysyl oxidase.
30. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 95% identical to wild type tropoelastin or lysyl oxidase.
31. (New) The method of claim 1 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 99% identical to wild type tropoelastin or lysyl oxidase.
32. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 60% identical to wild type tropoelastin or lysyl oxidase.
33. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 70% identical to wild type tropoelastin or lysyl oxidase.
34. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 80% identical to wild type tropoelastin or lysyl oxidase.
35. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 90% identical to wild type tropoelastin or lysyl oxidase.
36. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 95% identical to wild type tropoelastin or lysyl oxidase.
37. (New) The kit of claim 13 wherein the isolated tropoelastin or isolated lysyl oxidase is at least 99% identical to wild type tropoelastin or lysyl oxidase.

For the convenience of the Examiner, a copy of the complete set of pending claims, in the form that they will take after entrance of the present Amendment, is included herewith as Appendix A.